

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number  
**WO 2005/078535 A2**

- (51) International Patent Classification<sup>7</sup>: **G04B**
- (21) International Application Number:  
PCT/EP2005/050597
- (22) International Filing Date: 10 February 2005 (10.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
MI2004A000227 12 February 2004 (12.02.2004) IT
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FAST-SETTING POURABLE MORTARS WITH HIGH FLUIDITY

(57) Abstract: Described herein are new cementitious mortars with a high degree of fluidity and short consolidation times. The mortars contain water, a fast-setting cement, fluidifiers and/or superfluidifiers, setting regulators and aggregates having a specific granulometric distribution. The aggregates are made up of two fractions with different grain size such that the ratio between the characteristic grain diameters of the two fractions is comprised between 2.2 and 3.2. The new mortars thus obtained have values of fluidity 2-3 times higher than those of mortars produced with traditional aggregates; the increase in fluidity is obtained without increasing the water/cement ratio and without increasing the amount of fluidifiers present. The mortars produced according to the invention may be used to advantage in all applications in which it is required to associate a high degree of fluidity and a rapid consolidation.



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